(b) if so, the per capita consumption of electricity in the country along with to consumption in United States of America, China, Japan, France, Pakistan, Bangladesh, etc.;

(c) whether it is also a fact that electricity in the country can be saved by, bringing efficiency in its consumption; and

(d) if so, to what extent electricity can be saved by enhancing efficiency in the electricity consumption?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) and (b) Based on the UN methodology, according to which Per Capita Consumption is equal to gross Electrical Energy Availability/population, the Central Electricity Authority has worked out the per capita consumption of electricity in India for the year 2005-06 as 631 kWh.

The International Energy Agency (lEA) based on different methodology has worked out an average per capita consumption for the world as 2596 kWh for the year 2005. According to the figures released by IEA in 2005 per capita consumption of electricity in respect of United States of America was 13,640 kWh, for China it was 1781 kWh, for Japan it was 8233 kWh, for France it was 7707 kWh, for Pakistan it was 456 kWh and for Bangladesh it was 147 kWh.

(c) and (d) Yes, Sir. The Report of the Working Group on Power for the Eleventh Plan (2007–12) has projected that savings to the extent of about 5% of the anticipated energy consumption level at the beginning of the Eleventh Plan, may accrue at the end of the Eleventh Plan, as a consequence of intensive energy conservation and Demand Side Management drive.

Power gneration from captive power plants

†2873. SHRI RAJ MOHINDER SINGH MAJITHA:
SHRI RAM JETHMALANI:

Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the power generation electricity in the captive power generation sector is higher than the requirement;

(b) if so, the regions in which the generation of electricity is higher, along with the quantum of this additional electricity generation;

(c) whether the additional electricity generated is being used by the power distribution institutions such as Electricity Boards; and

(d) if so, the quantum of electricity being utilized in each region, along with the average cost thereof?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) to (d) Yes, Sir, as per information available with the Central Electricity Authority (CEA), during the year 2005-06, there has been surplus generation of electricity from the Captive

†Original notice of the question was received in Hindi.

Power Plants of more than 1 MW capacity each, to the tune of 5364 Million Units, which was exported to the State Grids.

The State wise/Region wise break-up of surplus power exported to grid by captive generation plants of 1 MW and above capacity for utilization by other consumers, during the year 2005-06, is enclosed as a Statement (*See* below).

The average cost of captive power varies based on the type of fuel used. As per information received from Power Trading Corporation India Limited, the current approximate average costs are as follows:-

(a) Diesel/Light Diesel Oil based plant – Rs.8.90/KWH

(b) Furnace oil based plants – Rs.5.50/KWH

(c) Naphtha based plants – Rs.6.00/KWH

(d) Coal based plants – Rs.2.50-3.50/KWH

The procurement price by the State Utilities is regulated by the respective State Electricity Regulatory Commissions which take the fixed and variable costs into account while determining the tariff.

Statement

State-wise/region-wise break up of export to grid by captive generation plant of 1MW and above during the year 2005-06

(GWb)

States/UTs	Export to Utilities
1	2
Haryana	46,45
Himachal Pradesh	5.55
Jammu and Kaslunir	0.00
Punjab	0.00
Rajasthan	27.51
Uttar Pradesh	84.56
Uttarakhand	0.00
Chandigarh	0.00
Delhi	0.00
SUB-TOTAL (NR)	164.07
Gujarat	1891.65
Madhya Pradesh	13.94

1	2
Maharashtra	166.75
Goa	0.23
Daman and Diu	0.00
Dadra and Nagar Haveli	0.00
Chhattisgarh	56.42
SUB-TOTAL (WR)	2128.99
Andhra Pradesh	289.03
Karnataka	497.43
Kerala	24.28
Tamil Nadu	1614.30
Puducherry	0.00
Lakshadweep	0.00
SUB-TOTAL (SR)	2425.04
Bihar	0.00
Orissa	592.27
West Bengal	12.58
Andaman and Nicobar	0.00
Sikkim	0.00
Jharkhand	41.79
SUB-TOTAL (ER)	646.64
Assam	0.00
Manipur	0.00
Meghalaya	0.00
Nagaland	0.00
Tripura	0.00
Arunachal Pradesh	0.00
Mizoram	0.00
Sub-Total (NER)	0.00
TOTAL (All India)	5364.74